



**PS-1601390101063400** Seat No. \_\_\_\_\_

**Third Year B. A. (ID) (Sem. VI) Examination**

**August - 2020**

**Environmental Science - II**

Time : 2 Hours]

[Total Marks : 50

- Instructions :** (1) All questions are compulsory.  
(2) Any ambiguity will be considered as a wrong answer.

**1 Fill in the blanks : 10**

- (1) Landscape designed inside a built form \_\_\_\_\_.  
(Landform, Interiorscape)
- (2) Landscaping acts as barrier against \_\_\_\_\_.  
(water, sound)
- (3) Natural elements in a landscape are \_\_\_\_\_.  
(benches, terrain of place)
- (4) Hard landscape is used for \_\_\_\_\_.  
(Vegetation, construction)
- (5) Botany is the study of \_\_\_\_\_.  
(plants, animals)
- (6) What is the full form of NRC rating?  
(Non Reflective choice, Noise reduction coefficient)
- (7) What is the unit of frequency?  
(Hertz, Decibels)
- (8) What is the frequency of ultrasonic sound?  
(>20,000 Hz, <20,000 Hz)
- (9) What is the sound absorption coefficient of Hardwood?  
(0.3, 0.4)
- (10) What play a part in calculating RT?  
(Area of the room, Volume of the room)

- 2** Write short notes on : **10**
- (1) Mughal garden
  - (2) Acoustics
  - (3) Frequency(f)
  - (4) Interiorscape
  - (5) Bonsai. Name of 5 bonsais.
- 3** Answer the following questions : (any **five**) **15**
- (1) Describe the nature of sound.
  - (2) Calculate the RT for given space or room.  
Materials : plaster walls, 6mm cork sheet, 100mm mineral wool, acoustic tile, etc.  
Size of the room = 50ft × 30ft × 20ft (L×B×H)
  - (3) Uses of designing landscape
  - (4) Moorish style garden
  - (5) Uses of designing landscape
  - (6) Water irrigation systems (with sketch)
- 4** Sketch it out : (any **3**) **15**
- (1) Reflections from curved surfaces and corners.
  - (2) Section of hall with ceiling which will cause echoes.
  - (3) The principles of landscape design.
  - (4) Types of soils and their importance.
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